



Climate change impacts and risks for animal health in Asia

Author(s): Forman S, Hungerford N, Yamakawa M, Yanase T, Tsai HJ, Joo YS, Yang DK, Nha JJ
Year: 2008
Journal: Revue Scientifique Et Technique / Office International Des éPizooties. 27 (2): 581-597

Abstract:

The threat of climate change and global warming is now recognised worldwide and some alarming manifestations of change have occurred. The Asian continent, because of its size and diversity, may be affected significantly by the consequences of climate change, and its new status as a 'hub' of livestock production gives it an important role in mitigating possible impacts of climate variability on animal health. Animal health may be affected by climate change in four ways: heat-related diseases and stress, extreme weather events, adaptation of animal production systems to new environments, and emergence or re-emergence of infectious diseases, especially vector-borne diseases critically dependent on environmental and climatic conditions. To face these new menaces, the need for strong and efficient Veterinary Services is irrefutable, combined with good coordination of public health services, as many emerging human diseases are zoonoses. Asian developing countries have acute weaknesses in their Veterinary Services, which jeopardises the global surveillance network essential for early detection of hazards. Indeed, international cooperation within and outside Asia is vital to mitigating the risks of climate change to animal health in Asia.

Source: [http://web.oie.int/boutique/index.php?pageEuro Surveillance \(Bulletin Européen Sur Les Maladies Transmissibles; European Communicable Disease Bulletin\)ficprod&id_precEuro Surveillance \(Bulletin Européen Sur Les Maladies Transmissibles; European Communicable Disease Bulletin\)115&id_produitEuro Surveillance \(Bulletin Européen Sur Les Maladies Transmissibles; European Communicable Disease Bulletin\)705&langEuro Surveillance \(Bulletin Européen Sur Les Maladies Transmissibles; European Communicable Disease Bulletin\)en&fichrechEuro Surveillance \(Bulletin Européen Sur Les Maladies Transmissibles; European Communicable Disease Bulletin\)1&PHPSESSIDEuro Surveillance \(Bulletin Européen Sur Les Maladies Transmissibles; European Communicable Disease Bulletin\)6bb334f9e08994fe55ba3a6cd34c935b](http://web.oie.int/boutique/index.php?pageEuro%20Surveillance%20(Bulletin%20Europ%C3%A9en%20Sur%20Les%20Maladies%20Transmissibles%20European%20Communicable%20Disease%20Bulletin)ficprod&id_precEuro%20Surveillance%20(Bulletin%20Europ%C3%A9en%20Sur%20Les%20Maladies%20Transmissibles%20European%20Communicable%20Disease%20Bulletin)115&id_produitEuro%20Surveillance%20(Bulletin%20Europ%C3%A9en%20Sur%20Les%20Maladies%20Transmissibles%20European%20Communicable%20Disease%20Bulletin)705&langEuro%20Surveillance%20(Bulletin%20Europ%C3%A9en%20Sur%20Les%20Maladies%20Transmissibles%20European%20Communicable%20Disease%20Bulletin)en&fichrechEuro%20Surveillance%20(Bulletin%20Europ%C3%A9en%20Sur%20Les%20Maladies%20Transmissibles%20European%20Communicable%20Disease%20Bulletin)1&PHPSESSIDEuro%20Surveillance%20(Bulletin%20Europ%C3%A9en%20Sur%20Les%20Maladies%20Transmissibles%20European%20Communicable%20Disease%20Bulletin)6bb334f9e08994fe55ba3a6cd34c935b)

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Unspecified Exposure

Geographic Feature:

resource focuses on specific type of geography

Climate Change and Human Health Literature Portal

None or Unspecified

Geographic Location:

resource focuses on specific location

Non-United States

Non-United States: Asia

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Zoonotic Disease

Zoonotic Disease: General Zoonotic Disease

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation, Mitigation

Population of Concern: A focus of content

Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status

Resource Type:

format or standard characteristic of resource

Review

Timescale:

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment:

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content